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APR 05 2002

P#12

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RAW SEQUENCE LISTING

DATE: 04/01/2002

PATENT APPLICATION: US/09/367,496A

TIME: 15:21:17

Input Set : A:\09-367,496.Seq.Listing.txt

Output Set: N:\CRF3\04012002\I367496A.raw

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5 <120> TITLE OF INVENTION: Use of ULIP proteins in the diagnosis and therapy of
6 cancers and paraneoplastic neurological syndromes
8 <130> FILE REFERENCE: BET 99/0689
10 <140> CURRENT APPLICATION NUMBER: US 09/367,496A
C--> 11 <141> CURRENT FILING DATE: 1999-08-17
13 <150> PRIOR APPLICATION NUMBER: FR 97 01 961
14 <151> PRIOR FILING DATE: 1997-02-19
16 <160> NUMBER OF SEQ ID NOS: 8
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1817
22 <212> TYPE: DNA
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28 agacatatat atggaagatg ggttgatcaa gcaaatagga gaaaacctga ttgtaccagg 180
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31 caaggcggcc ctggccgggg gaaccacat gatcattgac catgttggtc ctgagcccg 360
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33 tgactattcg ctgcacgtgg acatcactga gtggcacaag ggcacccagg aggagatgga 480
34 agctctgggtg aaggaccacg gggtaaactc ctctctcgtg tacatggctt tcaaagatcg 540
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36 catagctcaa gtccacgcag agaattgtga catcattgct gaggcacagc agaggatcct 660
37 ggatctggggc atcacggggc ccgagggaca cgtgttgagc cggccagagg aggtcgaggc 720
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68 Leu Leu Ile Lys Gly Gly Lys Ile Val Asn Asp Asp Gln Ser Phe Tyr
69 20 25 30
71 Ala Asp Ile Tyr Met Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn
72 35 40 45
74 Leu Ile Val Pro Gly Gly Val Lys Thr Ile Glu Ala His Ser Arg Met
75 50 55 60
77 Val Ile Pro Gly Gly Ile Asp Val His Thr Arg Phe Gln Met Pro Asp
78 65 70 75 80
80 Gln Gly Met Thr Ser Ala Asp Asp Phe Phe Gln Gly Thr Lys Ala Ala
81 85 90 95
83 Leu Ala Gly Gly Thr Thr Met Ile Ile Asp His Val Val Pro Glu Pro
84 100 105 110
86 Gly Thr Ser Leu Leu Ala Ala Phe Asp Gln Trp Arg Glu Trp Ala Asp
87 115 120 125
89 Ser Lys Ser Cys Cys Asp Tyr Ser Leu His Val Asp Ile Thr Glu Trp
90 130 135 140
92 His Lys Gly Ile Gln Glu Glu Met Glu Ala Leu Val Lys Asp His Gly
93 145 150 155 160
95 Val Asn Ser Phe Leu Val Tyr Met Ala Phe Lys Asp Arg Phe Gln Leu
96 165 170 175
98 Thr Asp Ser Gln Ile Tyr Glu Val Leu Ser Val Ile Arg Asp Ile Gly
99 180 185 190
101 Ala Ile Ala Gln Val His Ala Glu Asn Gly Asp Ile Ile Ala Glu Ala
102 195 200 205
104 Gln Gln Arg Ile Leu Asp Leu Gly Ile Thr Gly Pro Glu Gly His Val
105 210 215 220
107 Leu Ser Arg Pro Glu Glu Val Glu Ala Glu Ala Val Asn Arg Ser Ile
108 225 230 235 240
110 Thr Ile Ala Asn Gln Thr Asn Cys Pro Leu Tyr Val Thr Lys Val Met
111 245 250 255
113 Pro Lys Ser Ala Ala Glu Val Ile Ala Gln Ala Arg Lys Lys Gly Thr
114 260 265 270
116 Val Val Tyr Gly Glu Pro Ile Thr Ala Ser Leu Gly Thr Asp Gly Ser
117 275 280 285
119 His Tyr Trp Ser Lys Asn Trp Ala Lys Ala Ala Ala Phe Val Thr Ser
120 290 295 300
122 Pro Pro Leu Ser Pro Asp Pro Thr Thr Pro Asp Phe Leu Asn Ser Leu
123 305 310 315 320
125 Leu Ser Cys Gly Asp Leu Gln Val Thr Gly Ser Ala His Cys Thr Phe

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132          355          360          365
134 Ala Val Val Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
135          370          375          380
137 Ser Thr Asn Ala Ala Lys Val Phe Asn Leu Tyr Pro Arg Lys Gly Arg
138 385          390          395          400
140 Ile Ser Val Gly Ser Asp Ala Asp Leu Val Ile Trp Asp Pro Asp Ser
141          405          410          415
143 Val Lys Thr Ile Ser Ala Lys Thr His Asn Ser Ala Leu Glu Tyr Asn
144          420          425          430
146 Ile Phe Glu Gly Met Glu Cys Arg Gly Ser Pro Leu Val Val Ile Ser
147          435          440          445
149 Gln Gly Lys Ile Val Leu Glu Asp Gly Thr Leu His Val Thr Glu Gly
150          450          455          460
152 Ser Gly Arg Tyr Ile Pro Arg Lys Pro Phe Pro Asp Phe Val Tyr Lys
153 465          470          475          480
155 Arg Ile Lys Ala Arg Ser Arg Leu Ala Glu Leu Arg Gly Val Pro Arg
156          485          490          495
158 Gly Leu Tyr Asp Gly Pro Val Cys Glu Val Ser Val Thr Pro Lys Thr
159          500          505          510
161 Val Thr Pro Ala Ser Ser Ala Lys Thr Ser Pro Ala Lys Gln Gln Ala
162          515          520          525
164 Pro Pro Val Arg Asn Leu His Gln Ser Gly Phe Ser Leu Ser Gly Ala
165          530          535          540
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185 acatcaccag tgaccggctc ctcacagag gtggacgat catcaatgat gaccagtcc 360
186 tctacgccga tgtctacct gaagatggac tcataaaaca aataggagag aacctgattg 420
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189 agggcactaa agcagcgctg gcagggtgaa ccacgatgat cattgaccac gttgttcctg 600
190 aacctgggtc cagcttgttg acttcctttg agaaatggca cgaagcagca gacaccaa 660
191 cctgctgtga ctattccctc cacgtggaca tcacaagctg gtatgatggg gttcgggaag 720
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195 ggatcctgga gatgggcatc acgggtcccg agggtcattg tctgagcaga cccgaggagc 960
196 tggaggccga ggctgtgttc cgggtatttg ccattgcagg ccggatcaat tgccctgtgt 1020
197 acatcaccaa ggtcatgagc aagagtgcag cggacatcat cgcactggcc aggaagaaag 1080
198 gccctcttgt cttcgggtgag cccatagccg ccagcctggg aaccgatggc acccactact 1140
199 ggagcaagaa ctgggccaag gcagctgcat ttgtgacttc ccctcccctg agcccagacc 1200
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221 <210> SEQ ID NO: 4

222 <211> LENGTH: 572

223 <212> TYPE: PRT

224 <213> ORGANISM: Mus musculus

226 <400> SEQUENCE: 4

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231 20 25 30
233 Ala Asp Val Tyr Leu Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn
234 35 40 45
236 Leu Ile Val Pro Gly Gly Val Lys Thr Ile Glu Ala Asn Gly Arg Met
237 50 55 60
239 Val Ile Pro Gly Gly Ile Asp Val Asn Thr Tyr Leu Gln Lys Pro Ser
240 65 70 75 80
242 Gln Gly Met Thr Ser Ala Asp Asp Phe Phe Gln Gly Thr Lys Ala Ala
243 85 90 95
245 Leu Ala Gly Gly Thr Thr Met Ile Ile Asp His Val Val Pro Glu Pro
246 100 105 110
248 Gly Ser Ser Leu Leu Thr Ser Phe Glu Lys Trp His Glu Ala Ala Asp
249 115 120 125
251 Thr Lys Ser Cys Cys Asp Tyr Ser Leu His Val Asp Ile Thr Ser Trp
252 130 135 140

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261 180 185 190
263 Ala Val Ile Leu Val His Ala Glu Asn Gly Asp Leu Ile Ala Gln Glu
264 195 200 205
266 Gln Lys Arg Ile Leu Glu Met Gly Ile Thr Gly Pro Glu Gly His Ala
267 210 215 220
269 Leu Ser Arg Pro Glu Glu Leu Glu Ala Glu Ala Val Phe Arg Ala Ile
270 225 230 235 240
272 Ala Ile Ala Gly Arg Ile Asn Cys Pro Val Tyr Ile Thr Lys Val Met
273 245 250 255
275 Ser Lys Ser Ala Ala Asp Ile Ile Ala Leu Ala Arg Lys Lys Gly Pro
276 260 265 270
278 Leu Val Phe Gly Glu Pro Ile Ala Ala Ser Leu Gly Thr Asp Gly Thr
279 275 280 285
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282 290 295 300
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285 305 310 315 320
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288 325 330 335
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291 340 345 350
293 Glu Gly Val Asn Gly Ile Glu Glu Arg Met Thr Val Val Trp Asp Lys
294 355 360 365
296 Ala Val Ala Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
297 370 375 380
299 Ser Thr Asn Ala Ala Lys Ile Phe Asn Leu Tyr Pro Arg Lys Gly Arg
300 385 390 395 400
302 Ile Ala Val Gly Ser Asp Ala Asp Val Val Ile Trp Asp Pro Asp Lys
303 405 410 415
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306 420 425 430
308 Ile Phe Glu Gly Met Glu Cys His Gly Ser Pro Leu Val Val Ile Ser
309 435 440 445
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312 450 455 460
314 Met Gly Arg Phe Ile Pro Arg Lys Pro Phe Pro Glu His Leu Tyr Gln
315 465 470 475 480
317 Arg Val Arg Ile Arg Ser Lys Val Phe Gly Leu His Ser Val Ser Arg
318 485 490 495
320 Gly Met Tyr Asp Gly Pro Val Tyr Glu Val Pro Ala Thr Pro Lys His
321 500 505 510
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326 Pro Pro Ile Arg Asn Leu His Gln Ser Asn Phe Ser Leu Ser Gly Ala

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VERIFICATION SUMMARY

DATE: 04/01/2002

PATENT APPLICATION: US/09/367,496A

TIME: 15:21:18

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